

**DATA DRIVEN APPROACHES TO CRIME AND TRAFFIC SAFETY (DDACTS)
BYRNE JUSTICE ASSISTANCE GRANT (BYRNE JAG) FISCAL YEAR 2013
PROGRAM DESCRIPTION**

DDACTS integrates location-based crime and traffic crash data to establish effective and efficient methods for deploying law enforcement and other resources. Using geo-mapping to identify areas through temporal and spatial analysis that have high incidences of crime and crashes, DDACTS employs targeted traffic enforcement strategies. By saturating locations of high crime and crash incidences rates with highly visible traffic enforcement, DDACTS communities play a simultaneous dual role: fighting crime and reducing traffic crashes and traffic violations. Drawing on the deterrent value of highly visible law enforcement presence through increased patrol and the knowledge that crimes often involve the use of motor vehicles, the goal of DDACTS is to reduce the incidence of crime, crashes and traffic violations in Michigan communities.

The model's focus on collaboration with law enforcement, community members and organizations reinforce the crucial role that partnerships play in reducing social harm and improving quality of life. Building on this collaboration, DDACTS positions traffic enforcement as a logical rationale for a highly visible law enforcement presence in a community.

Applicants must demonstrate the ability to implement or have in place the following seven guiding principals:

1. **Partners and Stakeholder Participation** – Partnerships amongst law enforcement agencies and local stakeholders.
2. **Data Collection** – Place-based, current crime, crash and traffic-related data, coded for type of incident, time of day and day of week. The collection of crime data may include Part I and Part II crimes. Additional data may include citizen complaints, field interviews, dangerous driving behaviors, and other non-traditional data such as input from the officers in the field, the location of parolees and probationers, individuals with suspended or revoked licenses and wanted persons. Must be included in application Problem Statement and Program Description.
3. **Data Analysis** – The creation of integrated maps that overlay high rates of crime, crash, and traffic-related data to identify problem locations or “hot spots.” Data evaluation techniques that can distinguish causation factors for each type of data. Must be included in application Problem Statement and Program Description
4. **Strategic Operations** – The ability to realign workflow and operational assignments to focus enforcement efforts to coincide with days of week and times of day that crime and crashes are highest (as determined through data analysis) for increased efficiency.
5. **Information Sharing and Outreach** – The ability to share results, promote community participation and document accomplishments. Regularly generated progress reports that give management the documentation needed to keep officers informed, hold meetings with community members and report to government administrators and elected officials. Documentation of information sharing with the media outlets.

6. **Monitoring, Evaluation and Adjustments** – Data collection and analysis procedures for monitoring, evaluating and adjusting field and internal operations. Monitoring procedures must also provide an opportunity to regularly assess crime and crash reduction, cost savings and other outcome measures that define success.
7. **Outcomes** – Goals and objectives that emerge during problem area identification and strategic plan preparation must be developed into outcome measures. Measurements must be able to assess effectiveness relating to reductions in: crime, crashes, traffic violations, cost savings, the use of specific interventions and personnel deployment.

On January 1, 2012, the Michigan Incident Crime Reporting System (MICR) was updated to accept the location of incidents as part of the regular MICR submission. Agencies receiving money under this solicitation must certify that they are submitting MICR data on a daily basis, and will begin to submit incident location information no later than January 1, 2013.

Background/Definition of Crime Mapping/Data-Driven Approaches to Crime and Traffic Safety (DDACTS):

- <http://www.nhtsa.gov/DOT/NHTSA/Traffic%20Injury%20Control/Articles/Associated%20Files/811185.pdf>
DDACTS Operational Guidelines.
- <http://www.nij.gov/nij/maps/welcome.htm>
Geography has a major influence on crime. The features and characteristics of cityscapes and rural landscapes can make it easier or more difficult for crime to occur. The placement of alleys, buildings and open spaces, for example, affects the likelihood that a criminal will strike. Combining geographic data with police report data and then displaying the information on a map is an effective way to analyze where, how and why crime occurs.
- <http://www.nij.gov/topics/law-enforcement/operations/traffic-safety/ddacts.htm>
Using geomapping to identify areas that have high incidences of crime and crashes, DDACTS uses traffic enforcement strategies that play a dual role in fighting crime and reducing crashes and traffic violations. Drawing on the deterrent of highly visible traffic enforcement and the knowledge that crimes often involve the use of motor vehicles, the goal of DDACTS is to reduce the incidence of crime, crashes, and traffic violations across the country.

BUDGET:

The maximum state award under this program area will be \$50,000 with an additional 10% required cash match for a 12-month period. All costs must be reasonable and justified.

ALLOWABLE COSTS:

1. Law enforcement officer overtime dedicated to DDACTS identified hot-spots, although only for an initial pilot period while DDACTS strategies are being tested and refined.
2. Crime analyst time working on DDACTS data and geomapping.
3. Software needs to implement DDACTS.

MATCH REQUIREMENT:

This program area requires a 10% cash match.

- **Examples of match requirements:**

- Applicant requests \$25,000 in grant dollars - a match of \$2,778 is required for a total project cost of \$27,778.
- Applicant requests \$50,000 in grant dollars - a match of \$5,555 is required for a total project cost of \$55,555.

GOALS, OBJECTIVES, ACTIVITIES AND PERFORMANCE MEASURES:

Goal #1	Create a data collection plan and identify data sources.
Objective	The plan will identify all internal and external data that will be mapped, new data sources, and a timeframe for initial collection and ongoing updating of data. For comparison purposes, the plan must include the collection of baseline data from previous years. A minimum of three for larger communities, four to five years for smaller communities.
Activity	Identify the specific types of data to be collected for mapping. Incorporate systems to archive data for future use and transparency of the program. Identify data sources. Develop guidelines for data quality control. Identify protocols/data collection procedures that will be followed to obtain data. Identify individuals responsible for data collection. Develop a schedule for data collection and updating.
Performance Measure	Pre- and post-measures of crime and crashes in the targeted communities. Crime and crash reduction over a sustained period.
Goal #2	Identify potential partners and stakeholders.
Objective	To identify direct and indirect contributions by partners and stakeholders toward long-term traffic and crime problem solutions.
Activity	Develop a list of partner and stakeholder categories. Identify known individuals and organizations for each category. Identify the assistance or data that partners or stakeholders might provide. Give an action plan overview to each potential partner and stakeholder. Assign personnel responsible for contacting partners and stakeholders.
Performance Measure	Measurable and specific objectives for each partner and stakeholder.

Goal #3	Develop an operational plan.
Activity	Strategic approach to “hot spot” deployment. Define personnel requirements. Identify any training requirements, equipment or other resources needed. Prepare and finalize any budget issues. Finalize the plan. Complete evaluation criteria. Distribute the plan.
Performance Measure	Reduced conflict and change objections. Increased participation by sworn and civilian personnel.
Goal #4	Implement Plan.
Activity	Set up formal meetings and briefings before plan implementation to prepare staff for changes. Work with partners and stakeholders and media to develop appropriate communications to announce the initiative. Ensure staff members understand the importance of communicating the appropriate message during every enforcement contact.
Performance Measure	Department and community acceptance of a new police initiative to reduce crime and traffic accidents.

NOTE: This is a competitive grant and will be awarded based on merit, demonstrated need, data driven decision making and performance measures.

UNALLOWABLE EXPENSES AND ACTIVITIES:

- Costs in applying for this grant (e.g., consultants, grant writers, etc.).
- Any expenses incurred prior to the date of the contract.
- Any administrative costs not directly related to the administration of this grant award.
- Indirect costs rates or indirect administrative expenses (only direct costs permitted).
- Personnel, including law enforcement officers, not connected to the project for which you are applying.
- Lobbying or advocacy for particular legislative or administrative reform.
- Fund raising and any salaries or expenses associated with it.
- Legal fees.
- All travel including first class or out-of-state travel (prior approval required).
- Promotional items (except preauthorized under certain program areas).
- One-time events, prizes, entertainment (e.g., tours, excursions, amusement parks, sporting events) (except preauthorized under certain program areas).
- Honorariums.
- Contributions and donations.
- Management or administrative training, conferences (only pre-approved project related training).
- Management studies or research and development (costs related to evaluation are permitted).
- Fines and penalties.
- Losses from uncollectible bad debts.
- Purchase of land.

- Memberships and agency dues, unless a specific requirement of the project (prior approval required).
- Compensation to federal employees for travel or consulting fees.
- Military type equipment such as armored vehicles, explosive devices, and other items typically associated with the military arsenal.
- Purchase vehicles, vessels or aircraft.
- Construction costs and/or renovation (including remodeling).
- Service contracts and training beyond the expiration of the grant award.
- Informant fees, rewards or buy money.
- K9 dogs and horses (including any food and/or supplies relating to the upkeep of law enforcement animals).
- Livescan devices for applicant prints, including any related supplies.
- Food, refreshments, snacks.
 - Note: No funding can be used to purchase food and/or beverages for any meeting, conference, training, or other event. Exceptions to this restriction may be made only in cases where such sustenance is not otherwise available (e.g., extremely remote areas), or where a special presentation at a conference requires a plenary address where there is no other time for sustenance to be attained. Such an exception would require prior approval from the Department and the U.S. Department of Justice. This restriction does not apply to water provided at no cost, but does apply to any and all other refreshments, regardless of the size or nature of the meeting. Additionally, this restriction does not impact direct payment of per diem amounts to individuals in a travel status under your organization's travel policy.

BUDGET DEVIATION ALLOWANCES:

Budget deviation allowances will no longer be accepted. All budget and programmatic changes will require a formal amendment on MAGIC.

INITIATION OF PROJECT:

All projects must be initiated within 60 days of the date the grant is awarded.

REPORTING REQUIREMENTS:

If this application is selected for a Byrne JAG award, the requirements below must be adhered to. Failure to do so may cause your award to be suspended or revoked.

PERFORMANCE/PROGRESS/PERFORMANCE MEASUREMENT TOOL (PMT) REPORTS:

Progress reporting will take place no later than 20 days after the end of each quarter through the federal PMT system located at: <http://www.bjaperformancetools.org>. If applicable, another report also due no later than 20 days after the end of each quarter must be submitted that will include performance on implementation, activity, goals and objectives as well as metrics specific to your program area.

Quarterly due dates are outlined below:

- January 20, 2013
- April 20, 2013
- July 20, 2013
- October 20, 2013

All Performance/Progress/PMT Reports must be attached to MAGIC by the 20th day after the end of each quarter. It is the grantees responsibility to familiarize themselves with the requirements of the Performance/Progress/PMT Reports, which are contained within an awarded contract.

FINANCIAL STATUS REPORTS (FSR) (REQUEST FOR REIMBURSEMENT):

FSRs must be submitted on a monthly basis, no later than 30 days after the close of each calendar month. Requests for reimbursement must be submitted for the month in which payment by your agency was made. Dates are outlined below:

Report Period	Report Due Date
9/1/12 - 9/30/12	10/30/12
10/1/12-10/31/12	11/30/12
11/1/12 - 11/30/12	12/30/12
12/1/12 - 12/31/12	1/30/13
1/1/13 - 1/31/13	2/28/13
2/1/13 - 2/28/13	3/30/13
3/1/13 - 3/31/13	4/30/13
4/1/13 - 4/30/13	5/30/13
5/1/13 - 5/31/13	6/30/13
6/1/13 - 6/30/13	7/30/13
7/1/13 - 7/31/13	8/30/13
8/1/13 - 8/31/13	9/30/13
9/1/13 – 9/30/13	10/30/13
Obligation Report 9/1/13-9/30/13	9/12/13

The FSR form and instructions for completing the FSR form are contained within the Michigan Automatic Grant Information Connection (MAGIC) system. It is the grantees responsibility to familiarize themselves with the requirements of the FSR, which are contained within an awarded contract.